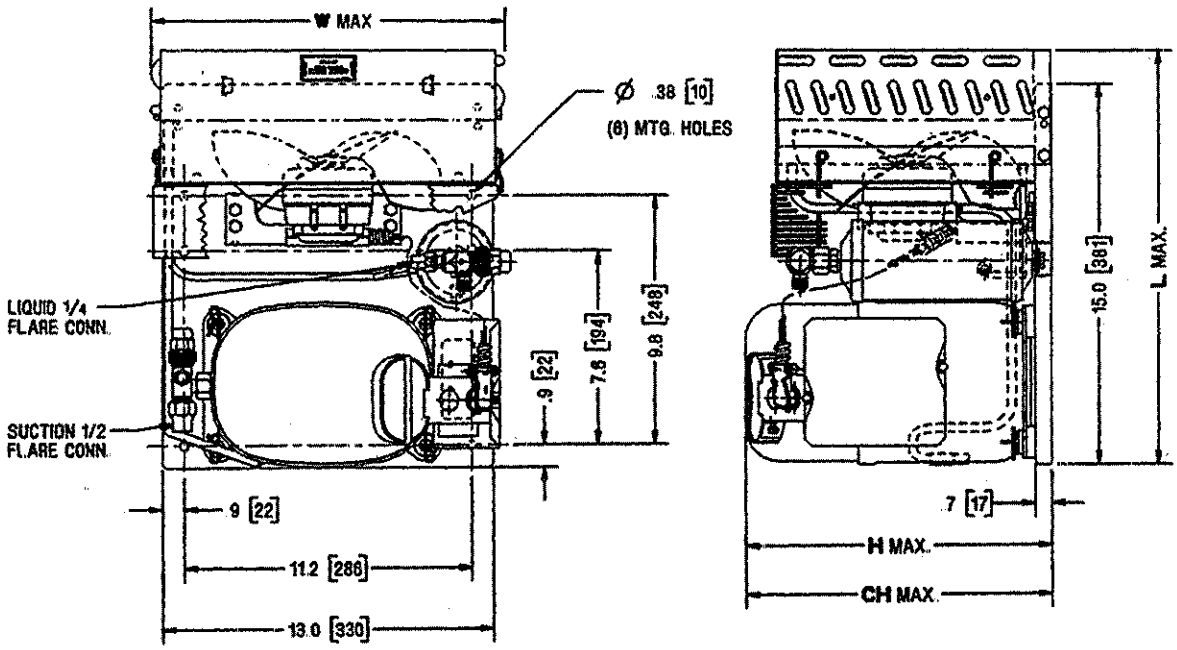
AJA2425AXAXC

TECUMSEH HERMETIC CONDENSING UNITS

Date: April 1, 1997

Revision 2003

MODEL AJA2425AXAXC (B/M 2B217-9) R-12 1/2 HP AIR COOLED



NOTE DIMENSIONS = INCHES (MILLIMETERS)

Model	Dimensions				*Line Connection		Pumpdown 90 ◦ F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AJA2425AXAXC	16.4	14.1	10.9	11.75	1/2 F	1/4 F	3.8#	350	22 AB	78

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 12 psig nitrogen - **MUST BE EVACUATED 60 HZ PERFORMANCE**

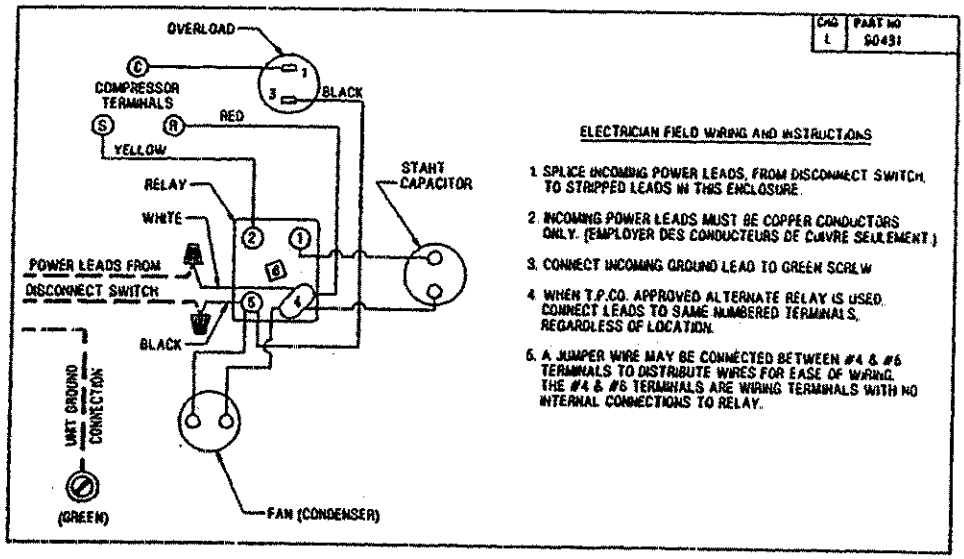
Approved Evap. Range		Ambient								
		90◦ F			100◦ F			110◦ F		
◦F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-40	*11.0"	1175	490	116	1000	465	130	825	440	142
-30	*5.5"	1625	550	123	1500	540	137	1340	530	153
-20	0.6	2160	620	132	2000	620	146	1890	620	162
-10	4.5	2780	700	140	2600	710	155	2425	720	170
0	9.15	3400	790	150	3230	805	165	3050	820	180
+10	14.6	4160	900	162	3925	915	178	3725	930	192

* Inches of mercury below one atmosphere

Date: January 2003
Unit Catalog Update

SPECIFICATIONS	**AJA2425AXAXC**
Nominal Voltage	115-1
Unit B/M	2B217-9
Voltage Range	126.5 to 103.5
Min. Circuit Ampacity	10.4
Max. Fuse Size (Amps)	15
Compressor Model	**AJA2425AXA**
Comp. Bill of Material	AJ601AT-336
RLA/LRA	7.9/57.0
ESP Overload	P83960
ESP Relay	P82959
Electrical Box	AE1169-003
Start Capacitor	85PS165C27
Rating	270-324MFD/165V
Fan Motor (OEM)	810M009B48

Fan RLA	.53 RLA
Replacement Motor	TFM91
Fan Motor Bracket	57153
Fan Blade	51564-1
Shroud	70766-1
Condenser	50803-1
Fan Guard	70785-2
Receiver Tank	51080-1
Receiver Tank Valve	31584-1 (1/4" F) RL
Suction Rotolock	31547-7 (1/2" F)
O' Ring Gasket	30334
Optional Outdoor Enclosure	TP-181D
Crankcase Heater (If Inc)	NA
Unit Drawing	SU1893
Schematic or Elect. Drawing	90431


OVERLOAD
COMPRESSOR TERMINALS
BLACK
RED
YELLOW
RELAY
WHITE
START CAPACITOR
POWER LEADS FROM DISCONNECT SWITCH
BLACK
UNIT GROUND CONNECTION
(GREEN)
FAN (CONDENSER)
CHG L
PART NO 90431
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS
1. SPLICE INCOMING POWER LEADS, FROM DISCONNECT SWITCH, TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.)
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW
4. WHEN T.P.CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS, REGARDLESS OF LOCATION.
5. A JUMPER WIRE MAY BE CONNECTED BETWEEN #4 & #6 TERMINALS TO DISTRIBUTE WIRES FOR EASE OF WIRING. THE #4 & #6 TERMINALS ARE WIRING TERMINALS WITH NO INTERNAL CONNECTIONS TO RELAY.

Some parts listed may be optional or listed as replacement parts.